

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of manufacturing single-walled carbon nanotubes comprising the steps of:

reducing the pressure inside a system to 1.3 Pa or lower;

when the pressure inside the system is 1.3 Pa or lower, initiating supply of
~~supplying~~ a carboniferous liquid state material comprising a metallic catalyst, ~~to raise~~
wherein the pressure inside the system is raised to at least 39.9 kPa;

generating arc discharges;

supplying the carboniferous liquid state material in discharge plasma created by the arc discharges; and

disintegrating or exciting the carboniferous liquid state material to produce the single-walled carbon nanotubes.

2. (Previously Presented) A method of manufacturing single-walled carbon nanotubes according to Claim 1, wherein the carboniferous liquid state material is an organic solvent.

3. (Previously Presented) A method of manufacturing single-walled carbon nanotubes according to Claim 1, wherein the carboniferous liquid state material is any of a petroleum liquid, mineral oil, and fatty acid ester.

4-7. (Canceled)

8. (Previously Presented) A method of manufacturing single-walled carbon nanotubes according to claim 1, wherein the metallic catalyst is iron, nickel and/or yttrium.

9. (Previously Presented) A method of manufacturing single-walled carbon nanotubes according to claim 1, wherein the metallic catalyst is yttrium.

10. (Canceled)

11. (Previously Presented) A method of manufacturing single-walled carbon nanotubes according to claim 1, wherein the pressure inside the system is raised to 39.9 kPa to 79.8 kPa.

12-14. (Canceled)

15. (Currently Amended) A method of manufacturing carbon nanotubes comprising the steps of:

reducing the pressure inside a system to 1.3 Pa or lower;

when the pressure inside the system is 1.3 Pa or lower, initiating supply of
~~supplying a carboniferous liquid state material, to raise wherein~~ the pressure inside the system
is raised to at least 39.9 kPa;

generating arc discharges;

supplying the carboniferous liquid state material in discharge plasma created by the arc discharges; and

disintegrating or exciting the carboniferous liquid state material to produce the carbon nanotubes.

16. (Previously Presented) A method of manufacturing carbon nanotubes according to Claim 15, wherein the carboniferous liquid state material is an organic solvent.

17. (Previously Presented) A method of manufacturing carbon nanotubes according to Claim 15, wherein the carboniferous liquid state material is any of a petroleum liquid, mineral oil, and fatty acid ester.

18. (Previously Presented) A method of manufacturing carbon nanotubes according to Claim 15, wherein the arc discharges are generated from tungsten electrodes.

19. (Previously Presented) A method of manufacturing carbon nanotubes according to Claim 15, wherein the arc discharges are generated by contact arc processing.

20. (New) A method of manufacturing single-walled carbon nanotubes according to claim 1, wherein the carboniferous liquid state material is supplied from a raw material supply unit that is heated with a heater.

21. (New) A method of manufacturing single-walled carbon nanotubes according to claim 1, wherein the carboniferous liquid state material is supplied to the discharge plasma by spraying as a mist.

22. (New) A method of manufacturing carbon nanotubes according to Claim 15, wherein the carboniferous liquid state material is supplied from a raw material supply unit that is heated with a heater.

23. (New) A method of manufacturing carbon nanotubes according to Claim 15, wherein the carboniferous liquid state material is supplied to the discharge plasma by spraying as a mist.